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**1. Electrophotographic display device and driving method therefor**  
PAT 05-29-01 06239896 NDN- 217-0406-5429-7

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PATENT APPLICATION NUMBER- 321717  
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NUMBER OF CLAIMS- 9

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EXEMPLARY CLAIMS- 1  
FIGURES- 25  
ART/GROUP UNIT- 2873  
PATENT CLASS- Invention (utility) patent  
INVENTOR COUNTRY/ZIPCODE- JPX  
PATENT ASSIGNEE(S)- Canon Kabushiki Kaisha  
ASSIGNEE CITY- Tokyo  
ASSIGNEE COUNTRY- JPX  
ATTORNEY, AGENT, OR FIRM- Fitzpatrick, Cella, Harper & Scinto  
U.S. PATENT CLASS- 3592400000  
U.S. CLASSIFICATION REFS.- X359241000; X359237000  
INTERNATIONAL PATENT CLASS- 7G02F00101  
PATENT REFERENCE(S)- Re. 28360; 3612758; 3670323; 3909116; 4126854; 5966233  
FOREIGN DOCUMENT REFERENCE(S)- 6-52358; 9-185087; 9-211499  
FOREIGN COUNTRY CODE- JPX; JPX; JPX  
PATENT APPLICATION PRIORITY- 10-151181  
PRIORITY COUNTRY CODE- JPX  
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An electrophoretic display device exhibiting a memory characteristic, i.e., capable of holding a display state even after removal of an applied voltage, is provided by introducing a mechanism that colored electrophoretic particles are retained in position for display in the absence of an electric field. For the purpose, at least one of a pair of substrates holding therebetween colored electrophoretic particles together with an insulating liquid is provided with a magnetism by disposing a magnetic material on or in the substrate together with the use of magnetized colored electrophoretic particles so as to retain the colored electrophoretic particles in position under the action of a magnetic Coulomb force exerted by the magnetized substrate.

**EXEMPLARY CLAIMS-** 1. An electrophoretic display device, comprising: a first substrate and a second substrate disposed opposite to each other with a gap therebetween, a first electrode and a second electrode disposed at at least partially deviated positions on the first substrate, a transparent insulating liquid filling the gap between the first and second substrates, and colored electrophoretic particles carried in the insulating liquid so as to be movable between the first electrode and the second electrode, wherein the first substrate has a magnetism, and the electrophoretic particles also have a magnetism.

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